



Ranking Pool Report

Ranking Pool: FY21 Agricultural Land Renewal SDFR WV

Program: CStwP

Template: CSP General

Last Modified By: Jeffrey Griffith

Pool Status: Active

Template Status: Active

Last Modified: 11-13-2020

Land Uses

Land Use	Modifier 1	Modifier 2	Modifier 3	Modifier 4	Modifier 5	Modifier 6
Crop	--	--	--	--	--	--
Pasture	--	--	--	--	--	--
Farmstead	--	--	--	--	--	--
Associated Ag Land	--	--	--	--	--	--

Resource Concern Categories

Categories			
Category	Min %	Default %	Max %
Concentrated erosion	0	5	30
Degraded plant condition	0	15	30
Field pesticide loss	0	5	30
Field sediment, nutrient and pathogen loss	0	15	30
Inefficient energy use	0	5	30
Livestock production limitation	0	5	30
Pest pressure	0	5	30
Soil quality limitations	0	10	30
Source water depletion	0	5	30
Storage and handling of pollutants	0	5	30
Terrestrial habitat	0	15	30
Wind and water erosion	0	10	30

Concentrated erosion			
Resource Concern	Min %	Default %	Max %
Bank erosion from streams, shorelines or water conveyance channels	0	50	50
Classic gully erosion	0	40	50

Concentrated erosion

Resource Concern	Min %	Default %	Max %
Ephemeral gully erosion	0	10	50

Degraded plant condition

Resource Concern	Min %	Default %	Max %
Plant productivity and health	0	50	100
Plant structure and composition	0	50	100

Field pesticide loss

Resource Concern	Min %	Default %	Max %
Pesticides transported to groundwater	0	25	100
Pesticides transported to surface water	0	75	100

Field sediment, nutrient and pathogen loss

Resource Concern	Min %	Default %	Max %
Nutrients transported to groundwater	0	10	50
Nutrients transported to surface water	0	30	50
Pathogens and chemicals from manure, biosolids or compost applications transported to groundwater	0	10	50
Pathogens and chemicals from manure, biosolids or compost applications transported to surface water	0	20	50
Sediment transported to surface water	0	30	50

Inefficient energy use

Resource Concern	Min %	Default %	Max %
Energy efficiency of equipment and facilities	0	80	100
Energy efficiency of farming/ranching practices and field operations	0	20	100

Livestock production limitation

Resource Concern	Min %	Default %	Max %
Feed and forage balance	0	50	50
Inadequate livestock shelter	0	10	50
Inadequate livestock water quantity, quality and distribution	0	40	50

Pest pressure

Resource Concern	Min %	Default %	Max %
Plant pest pressure	0	100	100

Soil quality limitations

Resource Concern	Min %	Default %	Max %
Aggregate instability	0	25	50
Compaction	0	20	50
Organic matter depletion	0	50	50
Soil organism habitat loss or degradation	0	5	50

Source water depletion

Resource Concern	Min %	Default %	Max %
Groundwater depletion	0	30	50
Inefficient irrigation water use	0	30	50
Surface water depletion	0	40	50

Storage and handling of pollutants

Resource Concern	Min %	Default %	Max %
Nutrients transported to groundwater	0	20	50
Nutrients transported to surface water	0	30	50
Pesticides transported to surface water	0	30	50
Petroleum, heavy metals and other pollutants transported to groundwater	0	10	50
Petroleum, heavy metals and other pollutants transported to surface water	0	10	50

Terrestrial habitat

Resource Concern	Min %	Default %	Max %
Terrestrial habitat for wildlife and invertebrates	0	100	100

Wind and water erosion

Resource Concern	Min %	Default %	Max %
Sheet and rill erosion	0	100	100

Practices

Practice	Practice Code	Practice Type
Resource conserving crop rotation	E328A	F
Improved resource conserving crop rotation	E328B	F
Conservation crop rotation on recently converted CRP grass/legume cover	E328C	F
Soil health crop rotation	E328E	F
Modifications to improve soil health and increase soil organic matter	E328F	F
Crop rotation on recently converted CRP grass/legume cover for soil organic matter improvement	E328G	F

Practice	Practice Code	Practice Type
Conservation crop rotation to reduce the concentration of salts	E328H	F
Forage harvest to reduce water quality impacts by utilization of excess soil nutrients	E328I	F
Improved crop rotation to provide benefits to pollinators	E328J	F
No till to reduce soil erosion	E329A	F
Enhanced field borders to reduce soil erosion along the edge(s) of a field	E386A	F
No till to reduce tillage induced particulate matter	E329B	F
No till to increase plant-available moisture	E329C	F
No till system to increase soil health and soil organic matter content	E329D	F
No till to reduce energy	E329E	F
Cover crop to reduce soil erosion	E340A	F
Intensive cover cropping to increase soil health and soil organic matter content	E340B	F
Use of multi-species cover crops to improve soil health and increase soil organic matter	E340C	F
Install variable frequency drive(s) on pump(s)	E374A	F
Switch fuel source for pump motor(s)	E374B	F
Intensive orchard/vineyard floor cover cropping to increase soil health	E340D	F
Use of soil health assessment to assist with development of cover crop mix to improve soil health	E340E	F
Cover crop to minimize soil compaction	E340F	F
Cover crop to reduce water quality degradation by utilizing excess soil nutrients	E340G	F
Cover crop to suppress excessive weed pressures and break pest cycles	E340H	F
Reduced tillage to reduce soil erosion	E345A	F
Reduced tillage to reduce tillage induced particulate matter	E345B	F
Reduced tillage to increase plant-available moisture	E345C	F
Reduced tillage to increase soil health and soil organic matter content	E345D	F
Reduced tillage to reduce energy use	E345E	F
Intermediate IWM— Year 1, Equipment with Soil or Water Level monitoring	E449F	F
Reduce risks of nutrient loss to surface water by utilizing precision agriculture technologies	E590B	F
Mulching with natural materials in specialty crops for weed control	E484C	F
Enhanced field borders to increase carbon storage along the edge(s) of the field	E386B	F
Enhanced field borders to decrease particulate emissions along the edge(s) of the field	E386C	F
Enhanced field borders to increase food for pollinators along the edge(s) of a field	E386D	F
Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field	E386E	F
Increase riparian herbaceous cover width for sediment and nutrient reduction	E390A	F
Increase riparian herbaceous cover width to enhance wildlife habitat	E390B	F
Increase riparian forest buffer width for sediment and nutrient reduction	E391A	F
Increase stream shading for stream temperature reduction	E391B	F
Increase riparian forest buffer width to enhance wildlife habitat	E391C	F
Extend existing filter strip to reduce water quality impacts	E393A	F

Practice	Practice Code	Practice Type
Stream habitat improvement through placement of woody biomass	E395A	F
Complete pumping plant evaluation for water savings	E449A	F
Advanced Automated IWM – Year 2-5, soil moisture monitoring	E449C	F
Advanced Automated IWM – Year 1, Equipment and soil moisture or water level monitoring	E449D	F
Intermediate IWM— Years 2-5, Soil or Water Level monitoring	E449G	F
Manage livestock access to waterbodies to reduce nutrients or pathogens to surface water	E472A	F
Mulching to improve soil health	E484A	F
Reduce particulate matter emissions by using orchard or vineyard generated woody materials as mulch	E484B	F
Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape	E511A	F
Forage harvest management that helps maintain wildlife habitat cover, shelter or continuity	E511B	F
Cropland conversion to grass-based agriculture to reduce soil erosion	E512A	F
Forage and biomass planting to reduce soil erosion or increase organic matter to build soil health	E512B	F
Cropland conversion to grass for soil organic matter improvement	E512C	F
Forage plantings that help increase organic matter in depleted soils	E512D	F
Forage and biomass planting that produces feedstock for biofuels or energy production.	E512E	F
Establishing native grass or legumes in forage base to improve the plant community	E512F	F
Native grasses or legumes in forage base	E512G	F
Stockpiling cool season forage to improve structure and composition or plant productivity and health	E528F	F
Forage plantings that enhance bird habitat cover and shelter or structure and composition	E512H	F
Establish pollinator and/or beneficial insect and/or monarch habitat	E512I	F
Establish wildlife corridors to provide habitat continuity or access to water	E512J	F
Maintaining quantity and quality of forage for animal health and productivity	E528A	F
Incorporating wildlife refuge areas in contingency plans for wildlife.	E528C	F
Grazing management for improving quantity and quality of food or cover and shelter for wildlife	E528D	F
Improved grazing management on pasture for plant productivity and health with monitoring activities	E528G	F
Grazing management that protects sensitive areas -surface or ground water from nutrients	E528I	F
Prescribed grazing on pastureland that improves riparian and watershed function	E528J	F
Improved grazing management for soil compaction on pasture through monitoring activities	E528K	F
Prescribed grazing that improves or maintains riparian and watershed function-erosion	E528L	F
Grazing management that protects sensitive areas from gully erosion	E528M	F
Stream crossing elimination	E578A	F
Stream corridor bank stability improvement	E580A	F
Stream corridor bank vegetation improvement	E580B	F
Clipping mature forages to set back vegetative growth for improved forage quality	E528O	F
Implementing Bale or Swath Grazing to increase organic matter and reduce nutrients in surface water	E528P	F

Practice	Practice Code	Practice Type
Use of body condition scoring for livestock on a monthly basis to keep track of herd health	E528Q	F
Advanced Pumping Plant Automation	E533A	F
Complete pumping plant evaluation for energy savings	E533B	F
Improving nutrient uptake efficiency and reducing risk of nutrient losses	E590A	F
Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture	E590C	F
Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques	E595A	F
Reduce risk of pesticides in water and air by utilizing IPM PAMS techniques	E595B	F
Existing Activity Payment-Land Use	E300EAP1	F
Existing Activity Payment-Resource Concern	E300EAP2	F
Eliminate use of chemical treatments to control pests and to increase the presence of dung beetles	E595E	F
Cropland conversion to trees or shrubs for long term improvement of water quality	E612A	F
Planting for high carbon sequestration rate	E612B	F
Establishing tree/shrub species to restore native plant communities	E612C	F
Adding food-producing trees and shrubs to existing plantings	E612D	F
Cultural plantings	E612E	F
Sugarbush management	E612F	F
Tree/shrub planting for wildlife food	E612G	F
YEAR 1 Irrigated Cropland (MRBI/Ogallala)	B000CPL10	F
YEAR 2+ Irrigated Cropland (MRBI/Ogallala)	B000CPL11	F
Non-Irrigated Precision Ag (MRBI)	B000CPL12	F
Non-Irrigated Cropland (MRBI)	B000CPL13	F
YEAR 1 Irrigated Precision Ag Cropland (MRBI)	B000CPL14	F
Non-Irrigated Cropland with Water Bodies Riparian Forest Buffer (MRBI)	B000CPL17	F
Grazing Bundle 3 - Range and Pasture	B000GRZ3	F
Grazing Bundle 4 - Range and Pasture	B000GRZ4	F
Crop Bundle #18 - Precision Ag	B000CPL18	F
YEAR 2+ Irrigated Precision Ag Cropland (MRBI)	B000CPL15	F
Non-Irrigated Cropland with Water Bodies (MRBI)	B000CPL16	F
Crop Bundle #19 - Soil Health Precision Ag	B000CPL19	F
Crop Bundle #20 - Soil Health Assessment	B000CPL20	F
Crop Bundle #21 - Crop Bundle (Organic)	B000CPL21	F
Crop Bundle #22 - Erosion Bundle (Organic)	B000CPL22	F
Structures for Wildlife	649	P
Alley Cropping	311	P
Brush Management	314	P
Conservation Cover	327	P
Conservation Crop Rotation	328	P

Practice	Practice Code	Practice Type
Cover Crop	340	P
Critical Area Planting	342	P
Pond	378	P
Windbreak/Shelterbelt Establishment	380	P
Fence	382	P
Field Border	386	P
Riparian Herbaceous Cover	390	P
Riparian Forest Buffer	391	P
Filter Strip	393	P
Firebreak	394	P
Stream Habitat Improvement and Management	395	P
Aquatic Organism Passage	396	P
Grade Stabilization Structure	410	P
Grassed Waterway	412	P
Irrigation System, Microirrigation	441	P
Sprinkler System	442	P
Irrigation Water Management	449	P
Land Smoothing	466	P
Access Control	472	P
Mulching	484	P
Tree/Shrub Site Preparation	490	P
Forage Harvest Management	511	P
Pasture and Hay Planting	512	P
Livestock Pipeline	516	P
Pumping Plant	533	P
Drainage Water Management	554	P
Roof Runoff Structure	558	P
Heavy Use Area Protection	561	P
Spring Development	574	P
Streambank and Shoreline Protection	580	P
Structure for Water Control	587	P
Nutrient Management	590	P
Pest Management Conservation System	595	P
Subsurface Drain	606	P
Tree/Shrub Establishment	612	P
Watering Facility	614	P
Underground Outlet	620	P

Practice	Practice Code	Practice Type
Restoration of Rare or Declining Natural Communities	643	P
Wetland Wildlife Habitat Management	644	P
Upland Wildlife Habitat Management	645	P
Shallow Water Development and Management	646	P
Early Successional Habitat Development-Mgt	647	P
Tree/Shrub Pruning	660	P
Forest Stand Improvement	666	P
Prescribed Grazing	528	P
Stream Crossing	578	P
Woody Residue Treatment	384	P
Residue and Tillage Management, No Till	329	P
Residue and Tillage Management, Reduced Till	345	P
Road/Trail/Landing Closure and Treatment	654	P
Irrigation Pipeline	430	P
Herbaceous Weed Treatment	315	P
Farmstead Energy Improvement	374	P
Buffer Bundle#1	B000BFF1	F
Brush management to improve wildlife habitat	E314A	F
Herbaceous weed treatment to create plant communities consistent with the ecological site	E315A	F
Conservation cover for pollinators and beneficial insects	E327A	F
Establish Monarch butterfly habitat	E327B	F
Leave standing grain crops unharvested to benefit wildlife	E328D	F
Multiple crop types to benefit wildlife	E328K	F
Manage existing shrub thickets to provide adequate shelter for wildlife	E645B	F
Edge feathering for wildlife cover	E645C	F
Crop tree management for mast production	E666I	F
Snags, den trees, and coarse woody debris for wildlife habitat	E666O	F
Summer roosting habitat for native forest-dwelling bat species	E666P	F
Increase on-site carbon storage	E666H	F
Facilitating oak forest regeneration	E666J	F
Creating structural diversity with patch openings	E666K	F
Forest songbird habitat maintenance	E666R	F
Management Intensive Rotational Grazing	E528R	F
Improved grazing management for enhanced plant structure and composition for wildlife	E528E	F

Ranking Component Weights

Category	Algorithm	Allowable Min	Default	Allowable Max
Vulnerabilities		5	5	10
Planned Practice Effects		35	40	50
Resource Priorities		15	25	35
Program Priorities		15	20	35
Efficiencies		10	10	10

Display Group: FY21 Agricultural Land Renewal SDFR WV (Active)



An asterisk will be displayed to show that it is a conditional section or conditional question.

Survey: Applicability Questions

Section: Applicability Questions		
Question	Answer Choices	Points
Did the applicant self-certify as a socially disadvantaged farmer or rancher on the NRCS-CPA 1200, "Conservation Program Application?" (Yes=applicable; No=not applicable)	YES	--
	NO	--

Survey: Category Questions

Section: Category Question		
Question	Answer Choices	Points
Are the planned land units located in West Virginia?	PLU is located in WV	--
	Otherwise	--

Survey: Program Questions

Section: Program Section		
Question	Answer Choices	Points
Does the applicant meet the NRCS definition of a Veteran Farmer or Rancher (VFR)? (Yes/No)	YES	20
	NO	0

Section: Program Section

Question	Answer Choices	Points
At the time of application, the applicant meets which of the following: (select ONE)	3-5 State priority resource concern categories across all land uses included in the operation.	180
	1-2 State priority resource concern categories across all land uses included in the operation.	160
	4-5 State priority resource concern categories across all land uses included in the operation (excluding farmstead and associated ag land).	150
	3 State priority resource concern categories across all land uses included in the operation (excluding farmstead and associated ag land).	130
	1-2 State priority resource concern categories across all land uses included in the operation (excluding farmstead and associated ag land).	100
	3-5 State priority resource concern categories on at least one land use included in the operation (excluding farmstead and associated ag land).	60
	1-2 State priority resource concern categories on at least one land use included in the operation (excluding farmstead and associated ag land).	30
	No State priority resource concern categories are met (excluding farmstead and associated ag land).	0

Survey: Resource Questions

Section: Resource Section

Question	Answer Choices	Points
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Section: Resource Section

Question	Answer Choices	Points
By the end of the contract, the applicant will implement additional conservation activities across the operation that allows the producer to? (select ONE)	Exceed the stewardship threshold for 4 or more resource concern categories on ALL land uses within the operation.	150
	Exceed the stewardship threshold for 3 or more resource concern categories on ALL land uses within the operation.	135
	Exceed the stewardship threshold for 2 or more resource concern categories on ALL land uses within the operation.	125
	Exceed the stewardship threshold for 4 or more resource concern categories on at least two land uses.	115
	Exceed the stewardship threshold for 3 resource concern categories on at least two land uses.	105
	Exceed the stewardship threshold for 2 resource concern categories on at least two land uses.	85
	Exceed the stewardship threshold for 4 or more resource concern categories on one land use.	75
	Exceed the stewardship threshold for 2-3 resource concern categories on one land use.	65
	Meet the stewardship threshold for 3 or more additional resource concern categories on at least two land uses.	55
	Meet the stewardship threshold for 2 additional resource concern categories on at least two land uses.	35
	Meet the stewardship threshold for 2-3 additional resource concern categories on one land use.	15
Does the application include conservation activities that will address one or more of the WV Priority Resource Concerns? (select ONE)	Planned conservation activities will address 5 WV Priority Resource concerns.	50
	Planned conservation activities will address 4 WV Priority Resource concerns.	45
	Planned conservation activities will address 3 WV Priority Resource concerns.	30
	Planned conservation activities will address 2 WV Priority Resource concerns.	10